



Dr. Stuart K. Janikowski

Specializing in process and environmental chemistry research

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Education: Dr. Stuart K. Janikowski received his B.S. in Chemistry from Bemidji State University in 1980, and his Ph.D. in Chemistry from the University of North Dakota in 1985.

Work experience: Dr. Janikowski is currently an advisory scientist in the Chemistry Department at the Idaho National Laboratory, where he has been employed since 1987. His experience at the INL encompasses development of multiple metal finishing technologies through pilot-scale testing and implementation, and development of multiple halocarbon destruction technologies. He has 2 years prior post-doctoral experience at the University of North Dakota and Argonne National Laboratory where he conducted research in

'clean coal' and coal conversion technologies, and worked with Dr. Karl Vorres to complete the 'Premium Coal Sample' program at ANL. His graduate work involved synthesis, x-ray structural determinations, and interpretation of bonding in various transition metal complexes.

Professional endeavors: Dr. Janikowski has current research interests in mercury remediation, and destruction processes for chemical warfare agents and remediation of CWA contaminated sites and storage containers. The mercury remediation technologies under current development are suitable for unattended placement in the environment for long-term remediation of soil and water systems, placement in buildings for remediation and worker safety, and in exhaust gas scrubbers. The CWA destruction technologies under development will assist the U.S. Government in achieving reduction goals established under international treaties.

Patents:

U.S. Patent No. 5,994,604 – Method and Apparatus for Low Temperature Destruction of Halogenated Hydrocarbons

U.S. Patent No. 6,150,580 – Method for Destroying Hazardous Organics and Other Combustible Materials in a Subcritical/Supercritical Reactor

U.S. Patent No. 6,495,204 – Methods for Modifying Monofilaments, Bundles of Monofilaments and Fibrous Structural Material

U.S. Patent No. 6,623,686 – System Configured for Applying a Modifying Agent to a Non-Equidimensional Substrate

U.S. Patent No. 6,652,654 – System Configured for Applying Multiple Modifying Agents to a Substrate

Licensing information

For information on licensing INL technologies such as those developed by Mr. Janikowski, contact the Lead Account Executive for Industrial Processing and Manufacturing:

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